

Claims

1. A peptide which has at least the following amino acid sequence

Ser-Cys-Asn-Thr-Ala-Thr-Cys-Met-Thr-His-	10
Arg-Leu-Val-Gly-Leu-Leu-Ser-Arg-Ser-Gly-	20
Ser-Met-Val-Arg-Ser-Asn-Leu-Leu-Pro-Thr-	30
Lys-Met-Gly-Phe-Lys-Val-Phe-Gly	38

or an amino acid sequence where a part of the amino acids are deleted, substituted or added and has properties of (1) being expressed in central nervous system, (2) strongly acting on calcitonin receptors and (3) promoting the cAMP productivity of cells.

2. The peptide according to claim 1, wherein the peptide further has (4) a property of incorporation of sodium ion concentration-dependently, (5) a property of suppressing the incorporation of calcium ion and (6) a property of suppressing the cell proliferation.

3. The peptide according to claim 1 or 2, wherein the peptide has at least an amino acid sequence shown in SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 6, SEQ ID NO: 9, SEQ ID NO: 12, SEQ ID NO: 16 or SEQ ID NO: 19 of the Sequence Listing or an amino acid sequence where a part of amino acids are deleted, substituted or added.

4. The peptide according to any of claims 1 to 3, wherein

the peptide is a peptide derived from mammals.

5. A gene which encodes the peptides according to any of claims 1 to 4.

6. The gene according to claim 5, wherein the gene has a nucleotide sequence shown in SEQ ID NO: 3, SEQ ID NO: 7, SEQ ID NO: 10, SEQ ID NO: 13, SEQ IS NO: 17 or SEQ ID NO: 20 of the Sequence Listing.

7. A pharmaceutical composition comprising the peptide according to any of claims 1 to 4 and a pharmaceutically acceptable carrier.

8. The pharmaceutical composition according to claim 7, wherein the pharmaceutical composition is a preventive/treating agent for osteoporosis, a preventive/treating agent for cancer, a diuretic agent, an appetite suppressing agent or an analgesic agent.

9. The pharmaceutical composition according to claim 7, wherein the pharmaceutical composition is a hypotensive agent or a drug which prevents restenosis after PTCA (percutaneous transluminal coronary angioplasty).